

Discrete Mathematics Seminar

Illinois State University

2:00–2:50 pm, March 24

Speaker: Martin Henk, Technical University of Berlin

On Hilbert bases of polyhedral cones

For a pointed rational polyhedral cone C the minimal set of integral vectors contained in C and generating all integral points in the cone via non-negative integral linear combinations is called the Hilbert basis of the cone. In this talk we will survey on what is known and what is (still) unknown about Hilbert bases of polyhedral cones.

The talk is based on joined works with Stefan Kuhlmann and Robert Weismantel.

